

Serial No. : 10/774,087
Filed : February 6, 2004

IN THE SPECIFICATION:

(1) The paragraph from page 4, line 30 to page 5, line 2 has been amended as follows:

Accordingly, it is desired that some means be provided to a navigation system to prevent the blank scroll so that the user feels at ease and can maintain the safe driving. Namely, there is a need in a navigation system, when there is no visible ~~objects~~ artifacts in the display range in the scroll direction, that the navigation system is able to detect a visible ~~object~~ artifact in the scroll direction, and quickly move to the screen where the visible ~~object~~ artifact is shown.

(7) The paragraph from page 18, line 1 to page 18, line 12 has been amended as follows:

In Figure 9, because both angles α and β are smaller than the angle θ , the navigation system determines that the shape point P of the pond 23 is not within the display range. Similarly, in Figure 10, because both angles α and β are larger than the angle θ , the navigation system determines that the shape point P of the pond 23 is not within the display range. Thus, in either case of Figure 9 or 10, the navigation system determines that the pond 23 is not the object to be displayed. Then, the navigation system will read the map data further ahead of the scroll direction to find other visible ~~objects~~ artifacts and repeat the procedure described above for visible ~~objects~~ artifacts.